

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pRL692

RRID:Addgene_70284

Type: Plasmid

Proper Citation

RRID:Addgene_70284

Plasmid Information

URL: <http://www.addgene.org/70284>

Proper Citation: RRID:Addgene_70284

Insert Name: Transposon Tn5-692

Organism: Other

Bacterial Resistance: Spectinomycin and Streptomycin

Defining Citation: [PMID:12218043](#)

Vector Backbone Description: Vector Backbone:unknown; Vector Types:Bacterial Expression; Bacterial Resistance:Spectinomycin and Streptomycin

Comments: Tn5 derivative Tn5-692 (in plasmid pRL692; GenBank accession no. AF424805) contains a pMB1 oriV; and bears mutations (Zhou, et al. 1998 J. Mol. Biol. 276:913–925) that increase its rate of transposition ca. 100-fold relative to that of Tn5-1058 (Wolk, et al. 1991. Proc. Natl. Acad. Sci. USA 88:5355–5359), providing large numbers of transposon mutants. The erythromycin-resistance gene came from Horinouchi and Weisblum (J. Bacteriol. 150: 804-814, 1982) and the streptomycin-spectinomycin gene came from the ?-fragment described by Prentki and Krisch (Gene 29, 303-313, 1984) and was purchased as an EcoRI fragment from Amersham. NOTE--Because Tn5-692 appears able to transpose repeatedly, the user is cautioned not to delay storing strains whose phenotype is of interest. Additional references: Miyagishima S-y, Wolk CP, Osteryoung KW (2005) Identification of cyanobacterial cell division genes by comparative and mutational analyses. Mol Microbiol 56: 126-143

Plasmid Name: pRL692

Record Creation Time: 20220422T222434+0000

Record Last Update: 20260725T075049+0000

Ratings and Alerts

No rating or validation information has been found for pRL692.

No alerts have been found for pRL692.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.